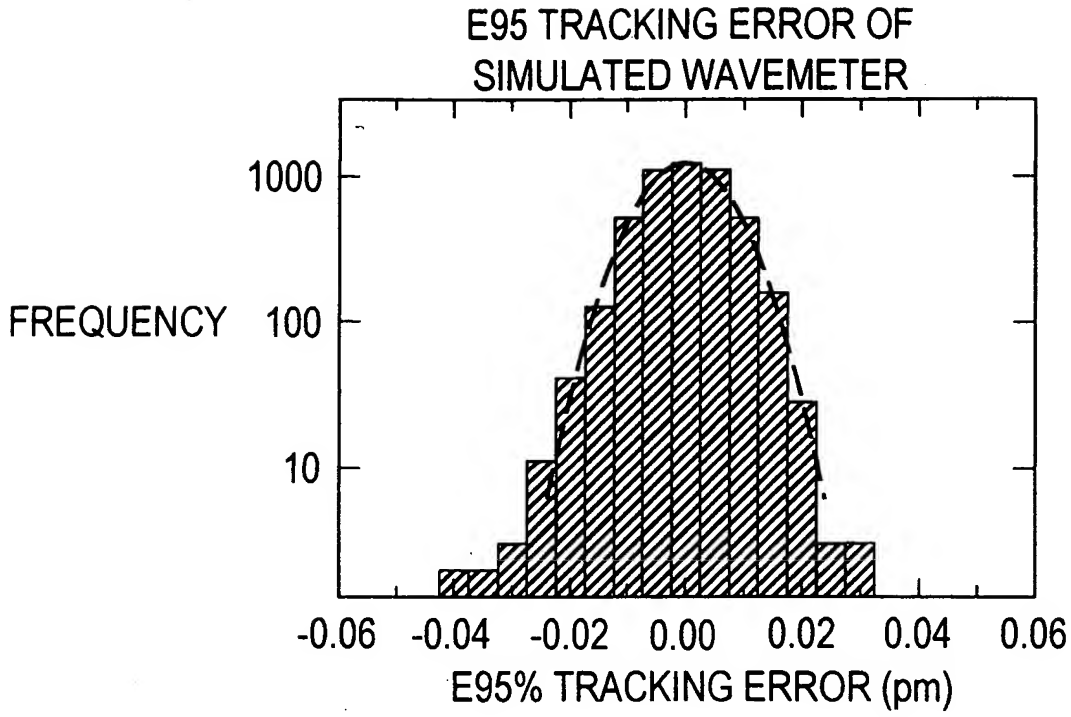


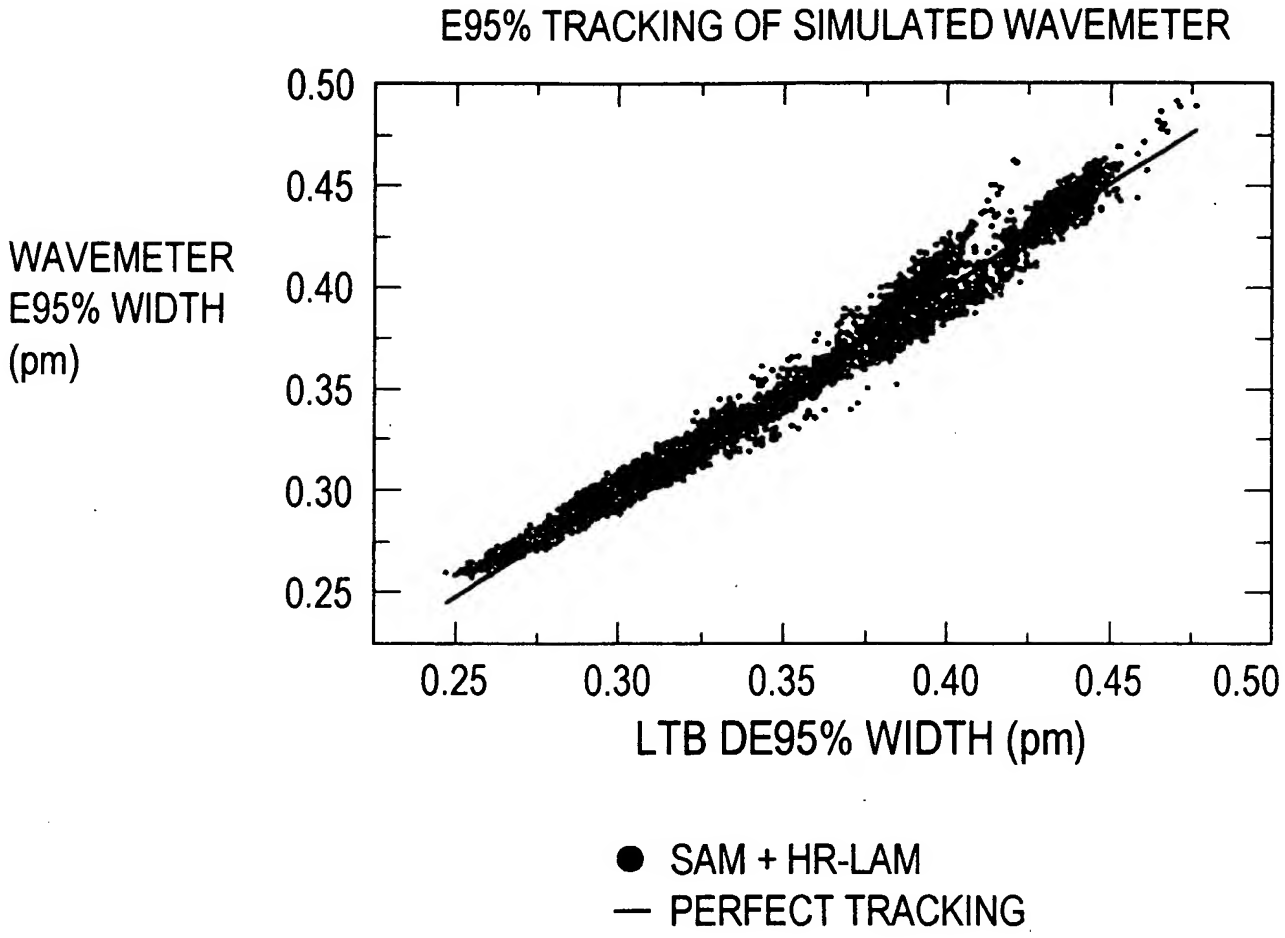
TRACKING RESIDUALS SAM + HR LAM VARIANCE = 7.3 fm

SAM: 0.12 pm FWHM bandpass
20 pixels in FWHM
800 pixel inspection range

HRLAM: 0.70 pm FWHM bandpass
20 pixels in FWHM
800 pixel inspection range

6 pilot XLA-130 lasers
4814 spectra from Bandwidth Resonance scans

FIG. 8



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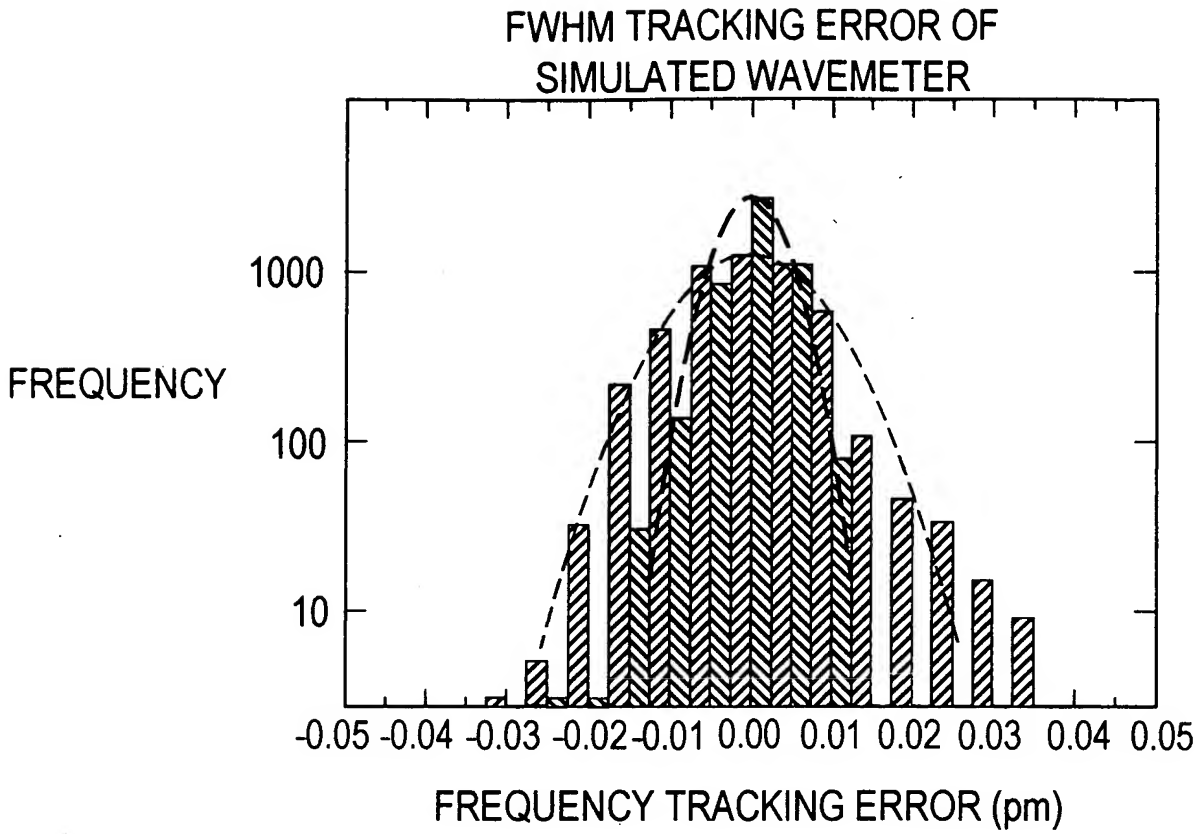
800 pixel inspection range

6 pilot XLA-130 lasers
4814 spectra from Bandwidth Resonance scans

FIG. 7

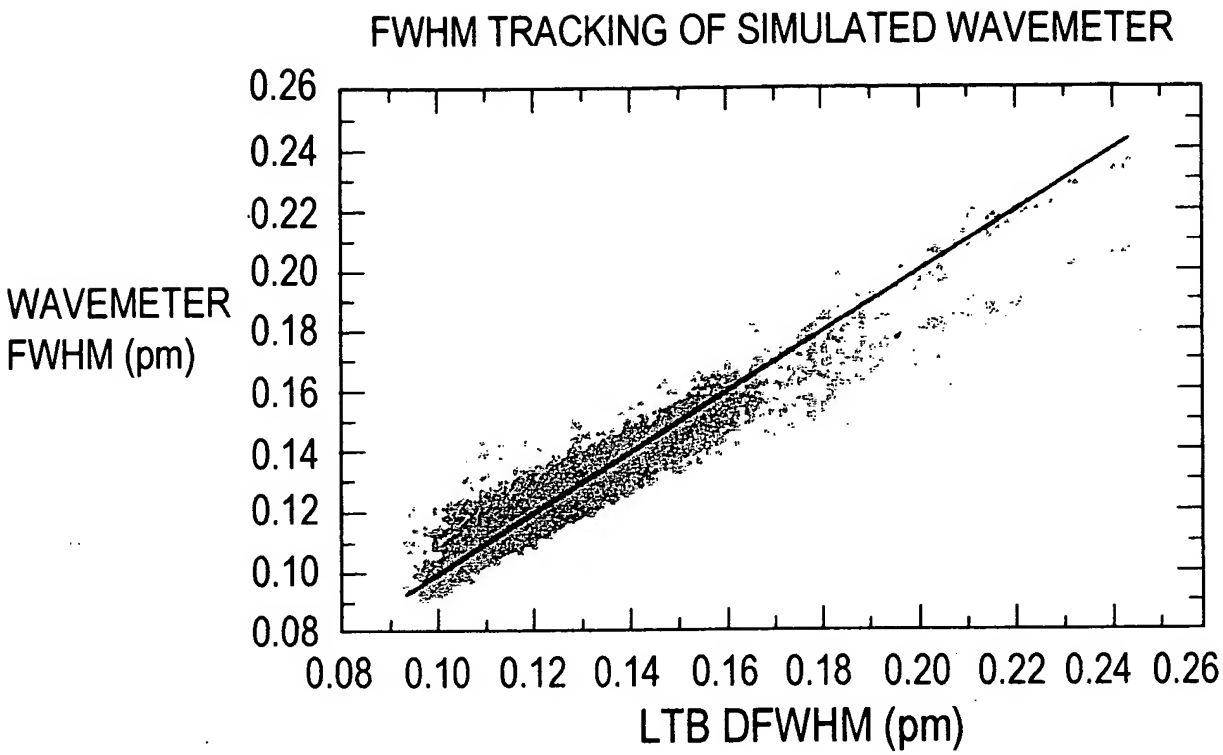


SAM: 0.12 pm FWHM bandpass
20 pixels in FWHM
800 pixel inspection range

HRLAM: 0.70 pm FWHM bandpass
20 pixels in FWHM
800 pixel inspection range

6 pilot XLA-130 lasers
4814 spectra from Bandwidth Resonance scans

FIG. 6



SAM: 0.12 pm FWHM bandpass
20 pixels in FWHM
800 pixel inspection range

HRLAM: 0.70 pm FWHM bandpass
20 pixels in FWHM
800 pixel inspection range

6 pilot XLA-130 lasers
4814 spectra from Bandwidth Resonance scans

FIG. 5

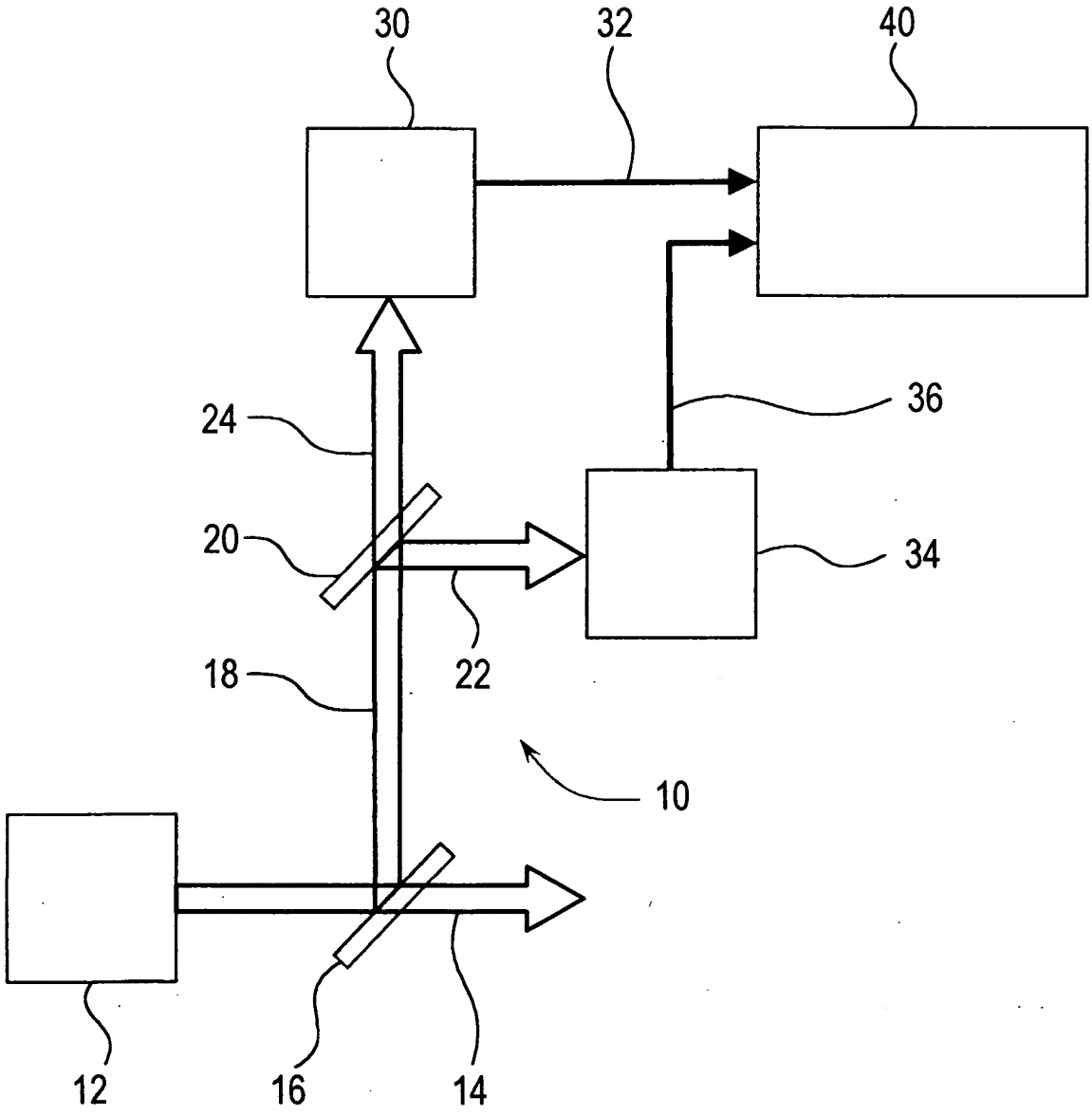
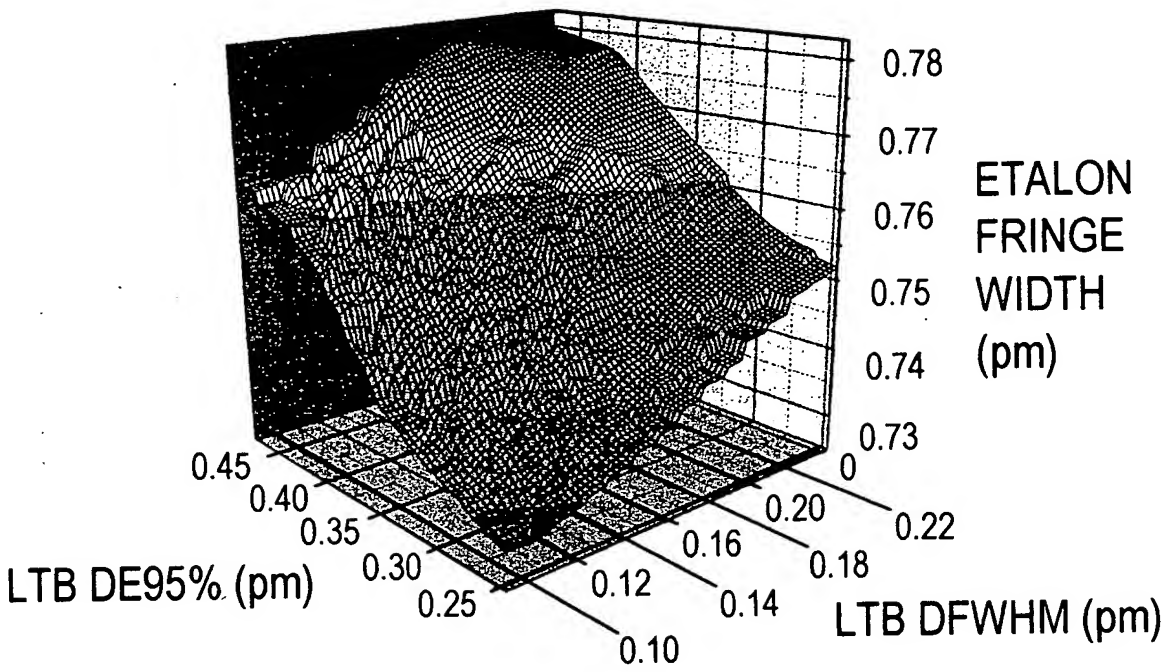


FIG. 4

HiRes LAM Tracking Simulation 0.7 pm/20 pixel Bandpass



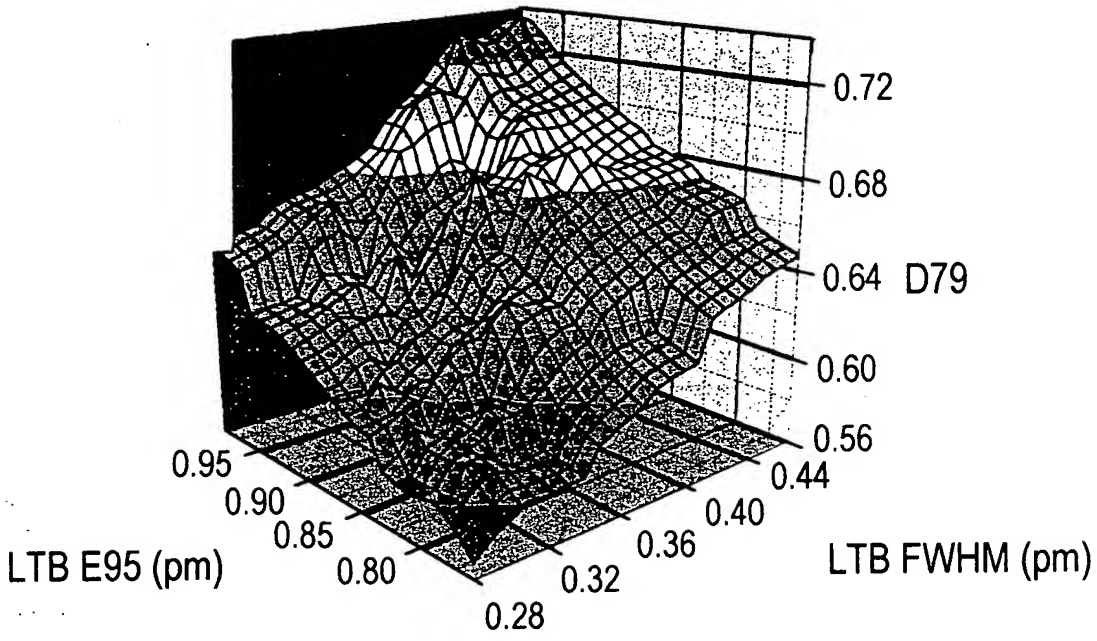
Data: Data5_HRLAM
Model: 3Dplane
Equation: A*x + B*y + C
Weighting:
Z No weighting

Chi^ 2/DoF = 2.0666E-6
R^ 2 = 0.97507

A 0.14483 ±000114
B 0.16575 ±0.00041
C 0.67263 ±0.0002

FIG. 3

Avg Behavior of D79 (28-36)/380 kPa
Correlation gridding, WM5645 ultralow wedge etalon



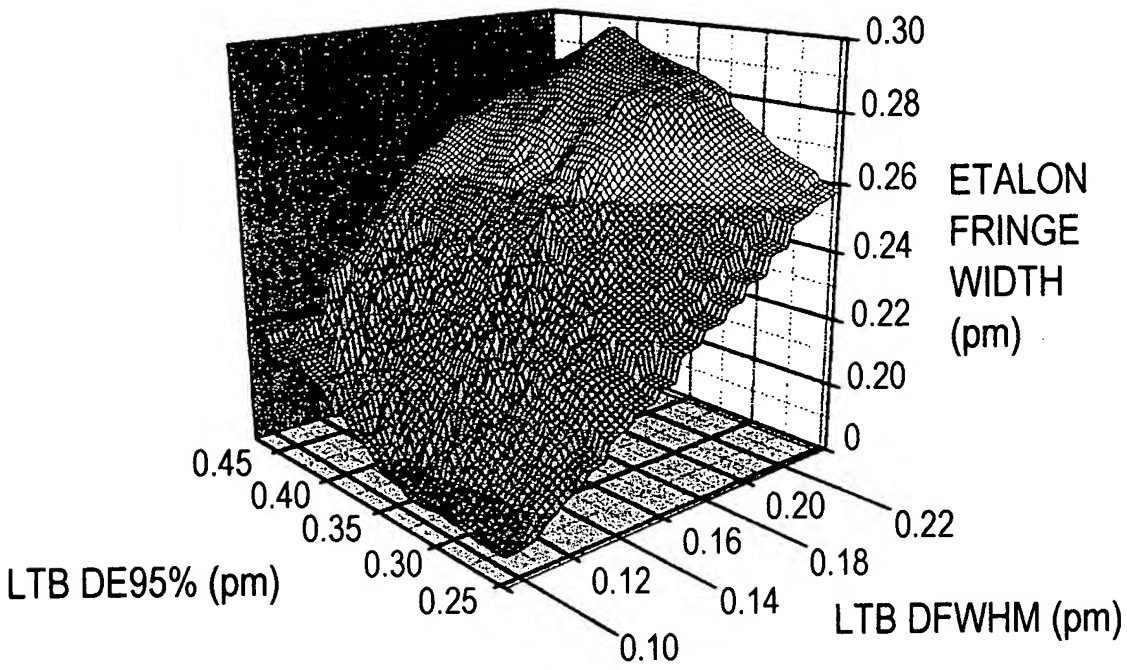
Data: Data2_D79
Model: 3Dplane
Equation: A*x + B*y + C
Weighting:
Z No weighting

Chi^ 2/DoF = 0.00008
R^ 2 = 0.89623

A 0.64495 ±0.0166
B 0.20797 ±0.01105
C 0.22983 ±0.00719

FIG. 1

SAM Tracking Simulation 0.12 pm/20 pixel Bandpass



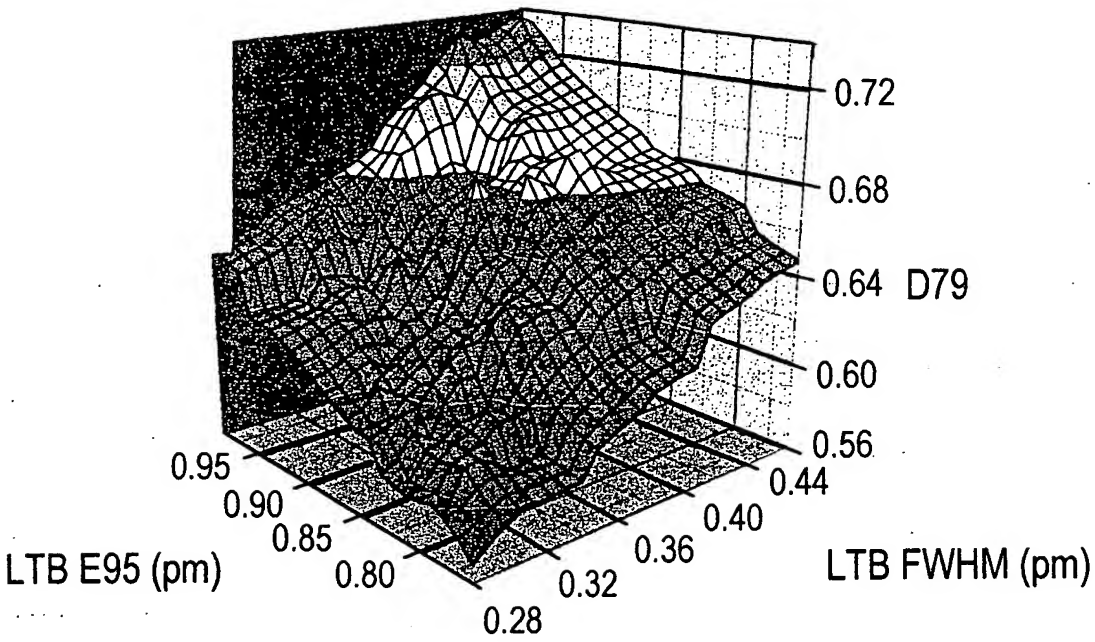
Data: Data5_SAM
Model: 3Dplane
Equation: A*x + B*y + C
Weighting:
Z No weighting

Chi^ 2/DoF = 7.8249E-6
R^ 2 = 0.95716

A 0.66704 ±0.00221
B 0.08951 ±0.00079
C 0.10172 ±0.00039

FIG. 2

Avg Behavior of D79 (28-36)/380 kPa
Correlation gridding, WM5645 ultralow wedge etalon



Data: Data2_D79
Model: 3Dplane
Equation: A*x + B*y + C
Weighting:
Z No weighting

Chi^ 2/DoF = 0.00008
R^ 2 = 0.89623

A 0.64495 ±0.0166
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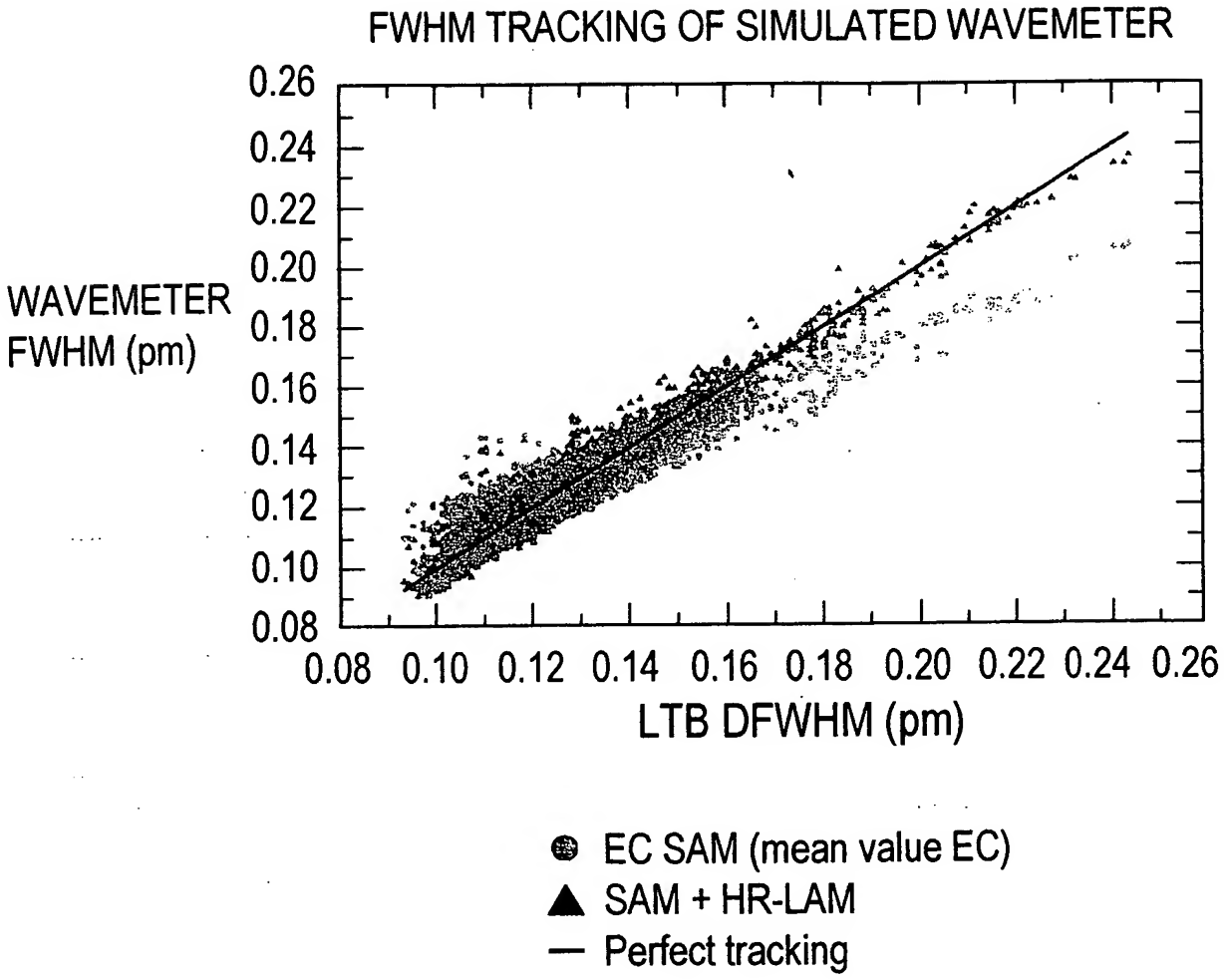
FIG. 1

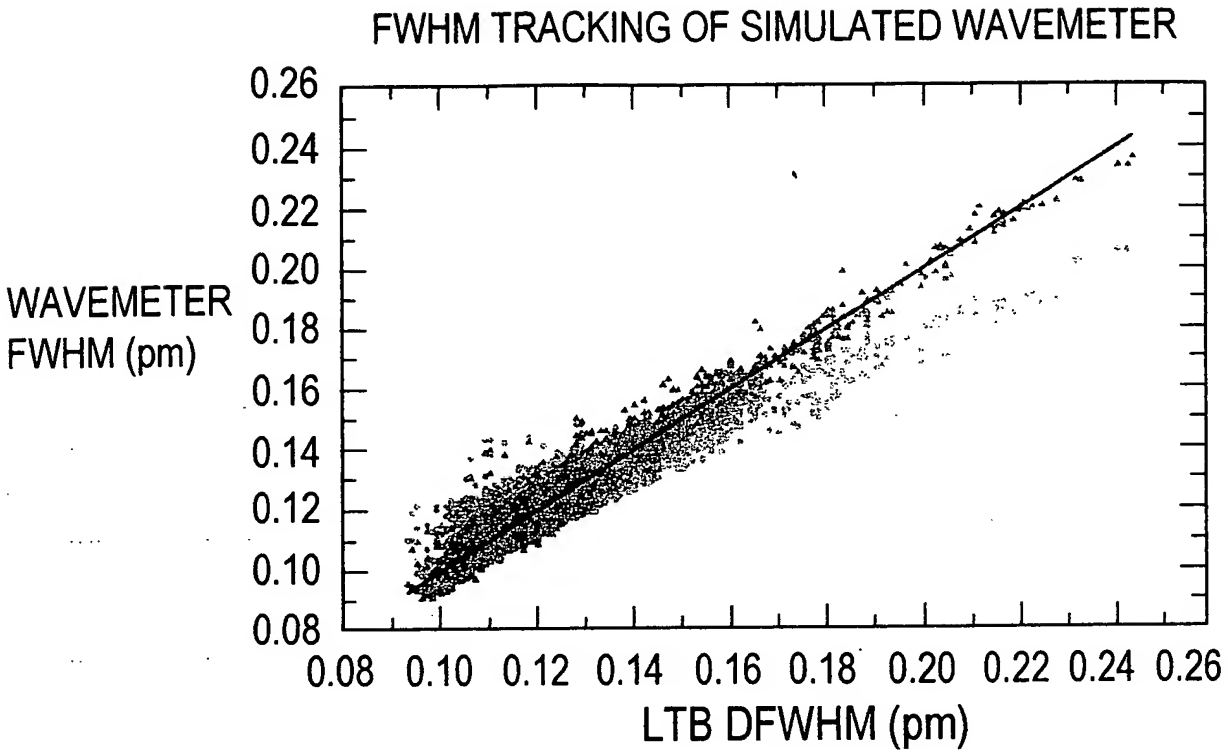


SAM: 0.12 pm FWHM bandpass
20 pixels in FWHM
800 pixel inspection range

HRLAM: 0.70 pm FWHM bandpass
20 pixels in FWHM
800 pixel inspection range

6 pilot XLA-130 lasers
4814 spectra from Bandwidth Resonance scans

FIG. 5



SAM: 0.12 pm FWHM bandpass
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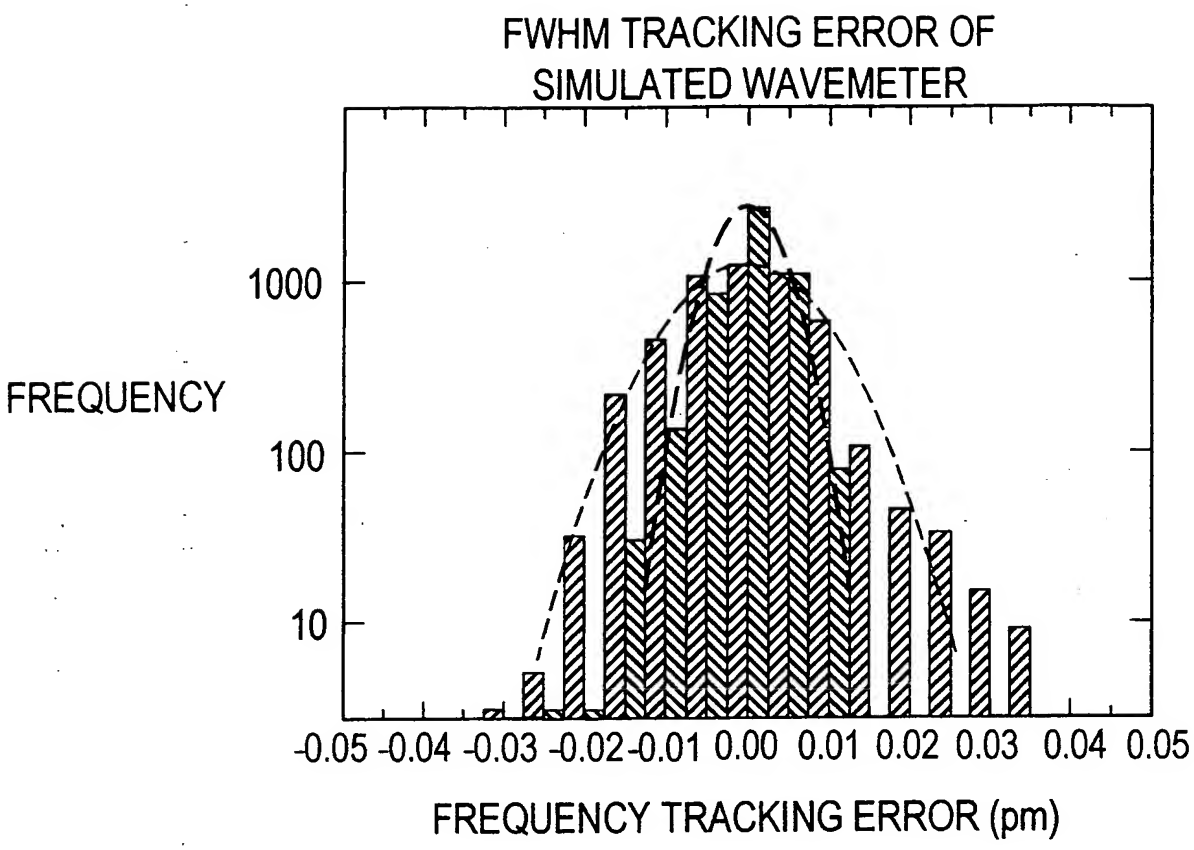
HRLAM: 0.70 pm FWHM bandpass
20 pixels in FWHM
800 pixel inspection range

6 pilot XLA-130 lasers
4814 spectra from Bandwidth Resonance scans

FIG. 5

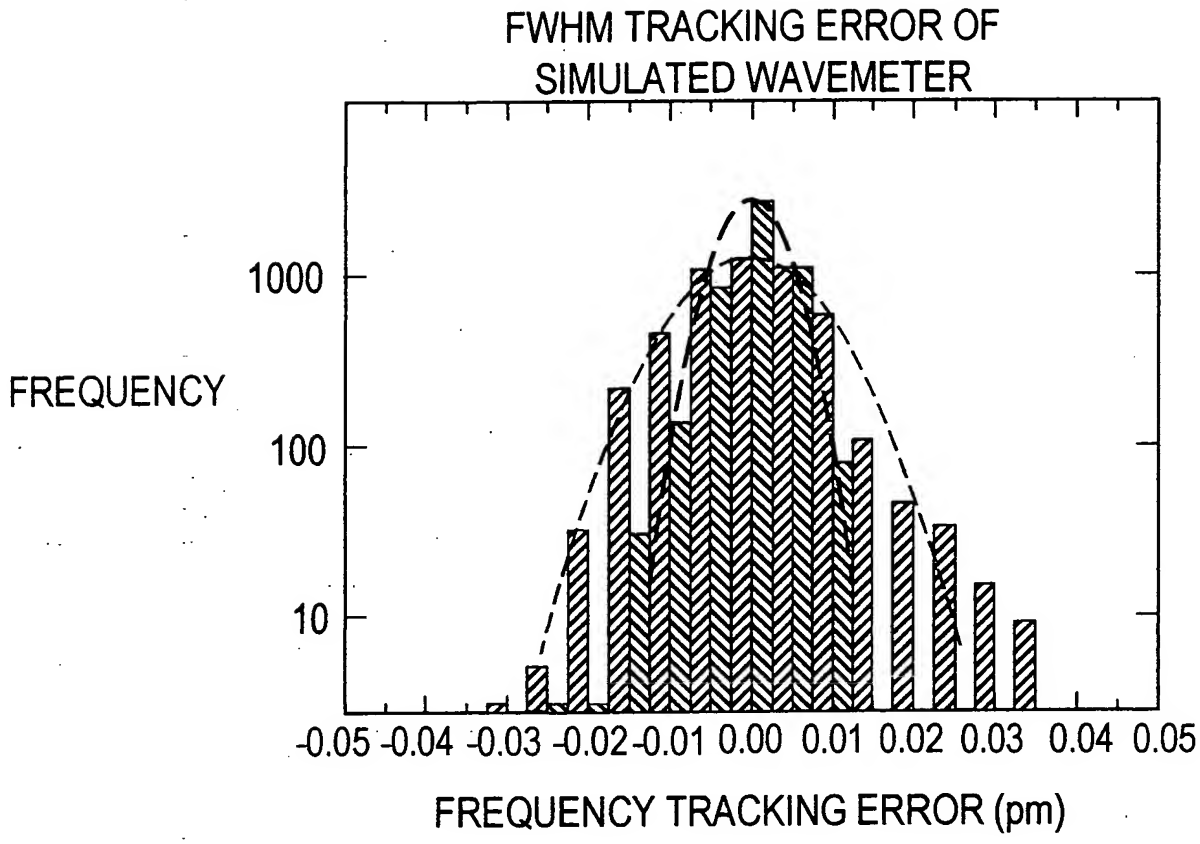


SAM: 0.12 pm FWHM bandpass
20 pixels in FWHM
800 pixel inspection range

HRLAM: 0.70 pm FWHM bandpass
20 pixels in FWHM
800 pixel inspection range

6 pilot XLA-130 lasers
4814 spectra from Bandwidth Resonance scans

FIG. 6



SAM: 0.12 pm FWHM bandpass
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6 pilot XLA-130 lasers
4814 spectra from Bandwidth Resonance scans

FIG. 6

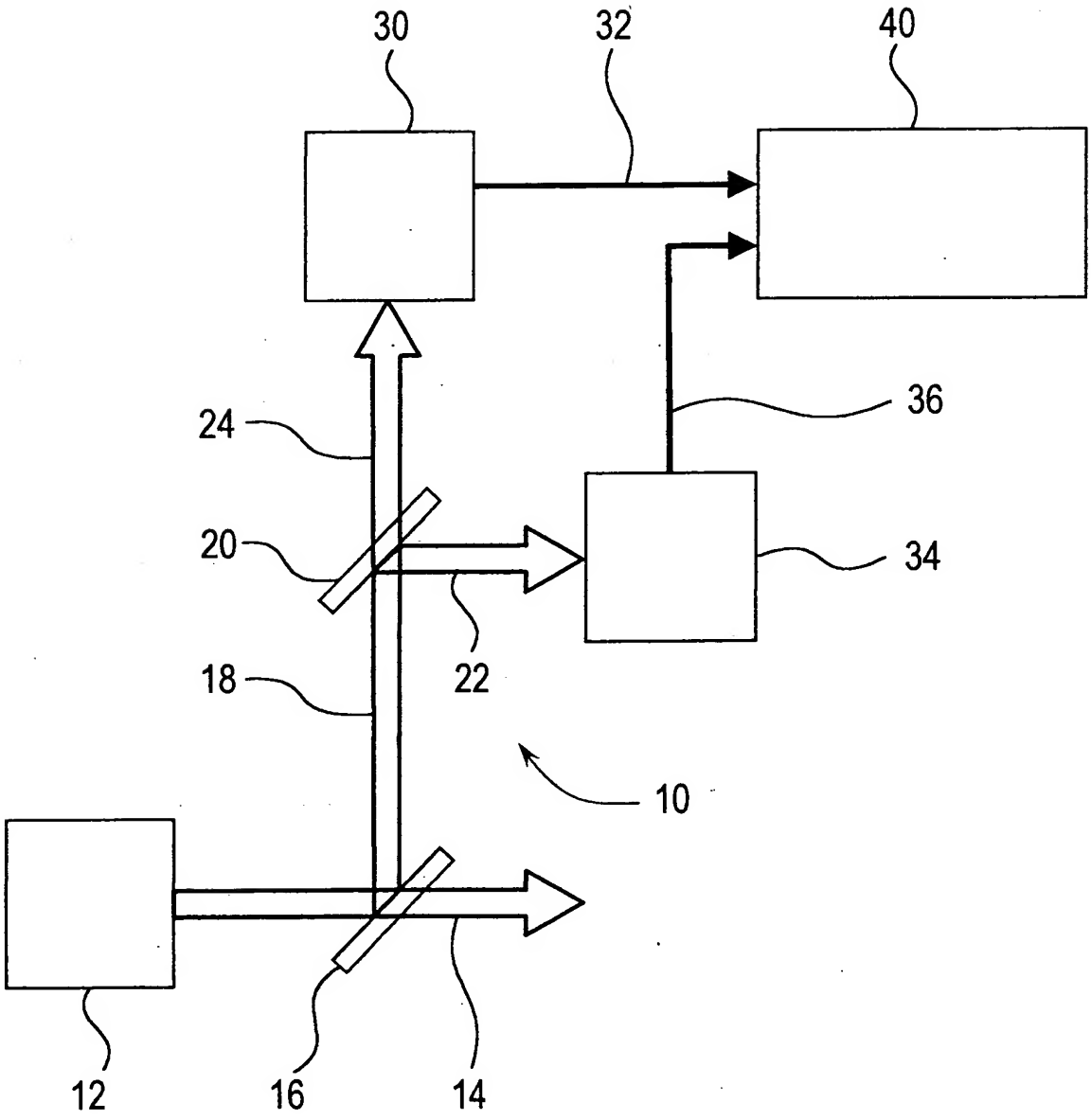


FIG. 4

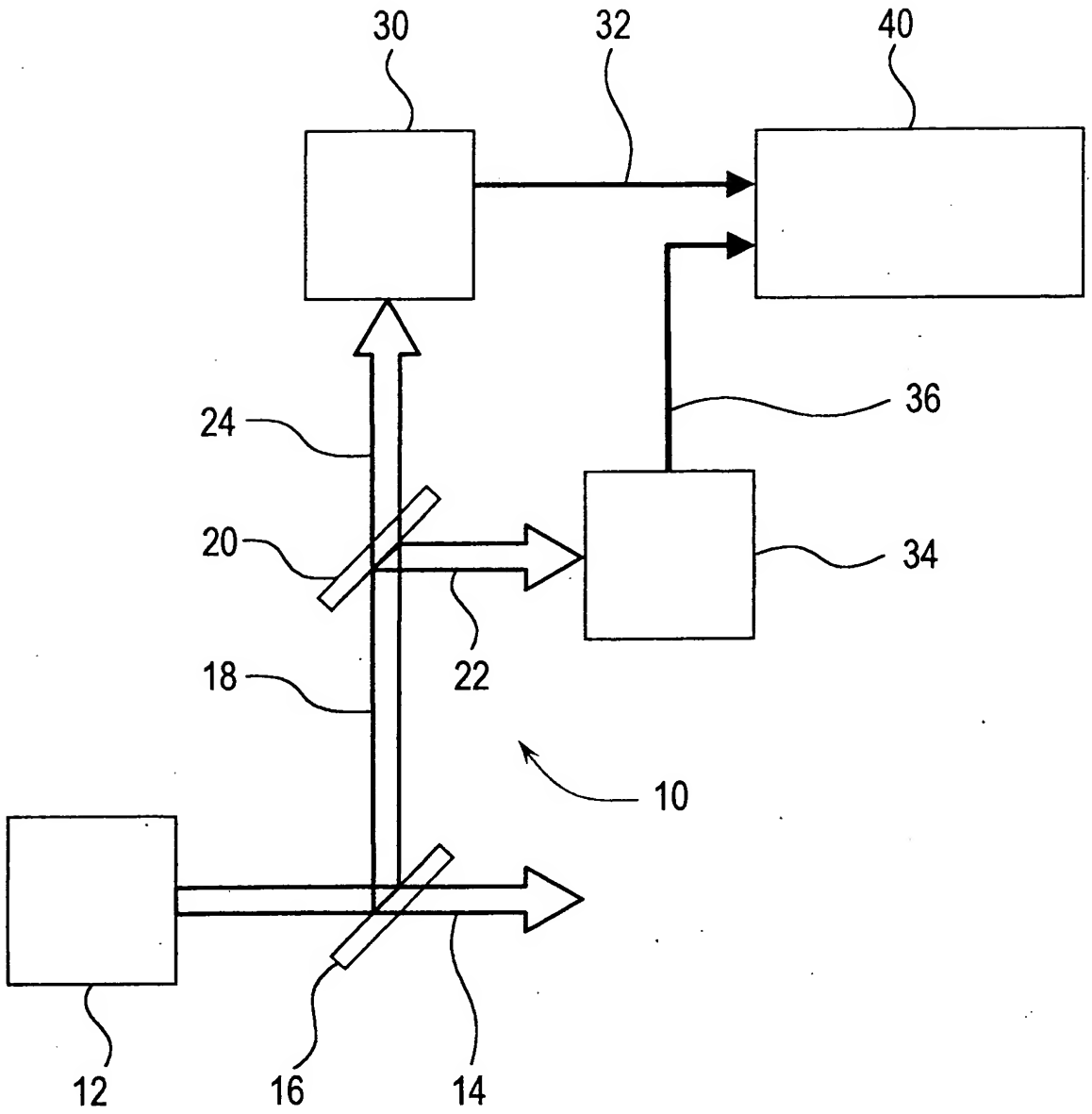
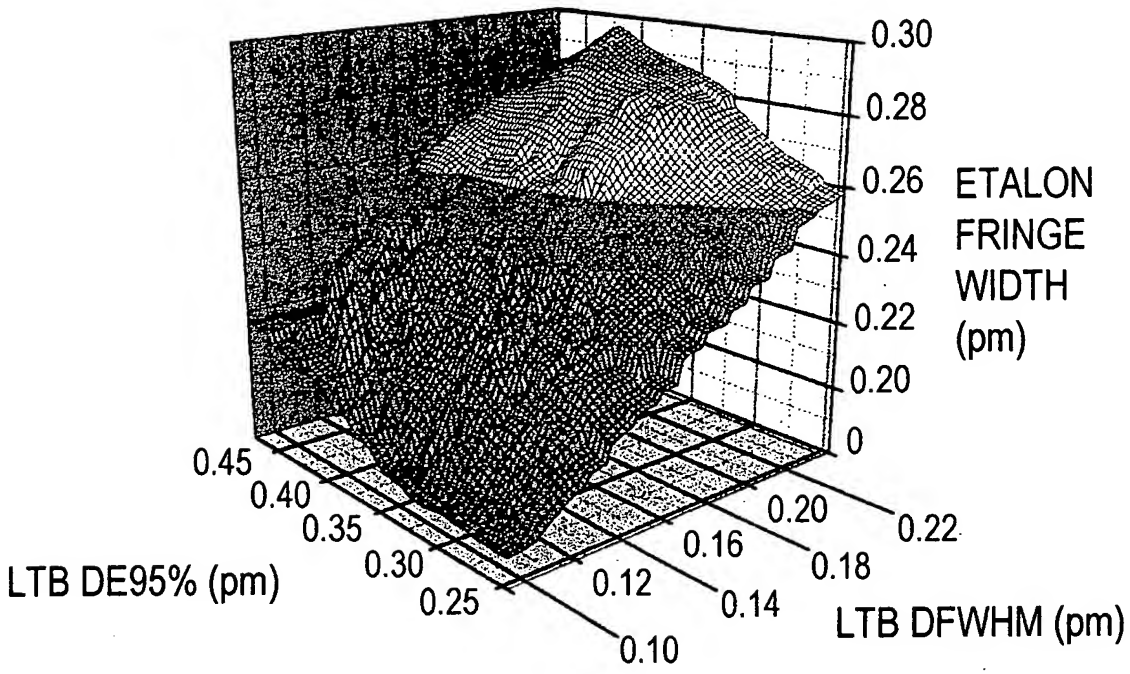


FIG. 4

SAM Tracking Simulation 0.12 pm/20 pixel Bandpass



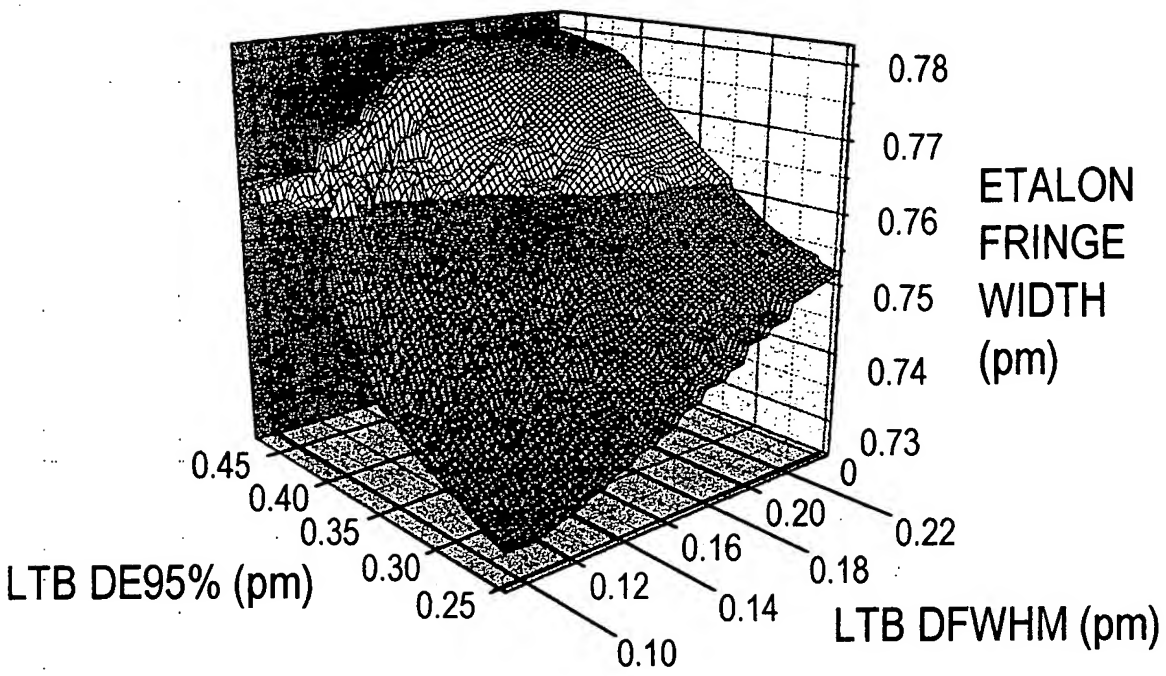
Data: Data5_SAM
Model: 3Dplane
Equation: A*x + B*y + C
Weighting:
Z No weighting

Chi^ 2/DoF = 7.8249E-6
R^ 2 = 0.95716

A 0.66704 ±0.00221
B 0.08951 ±0.00079
C 0.10172 ±0.00039

FIG. 2

HiRes LAM Tracking Simulation 0.7 pm/20 pixel Bandpass



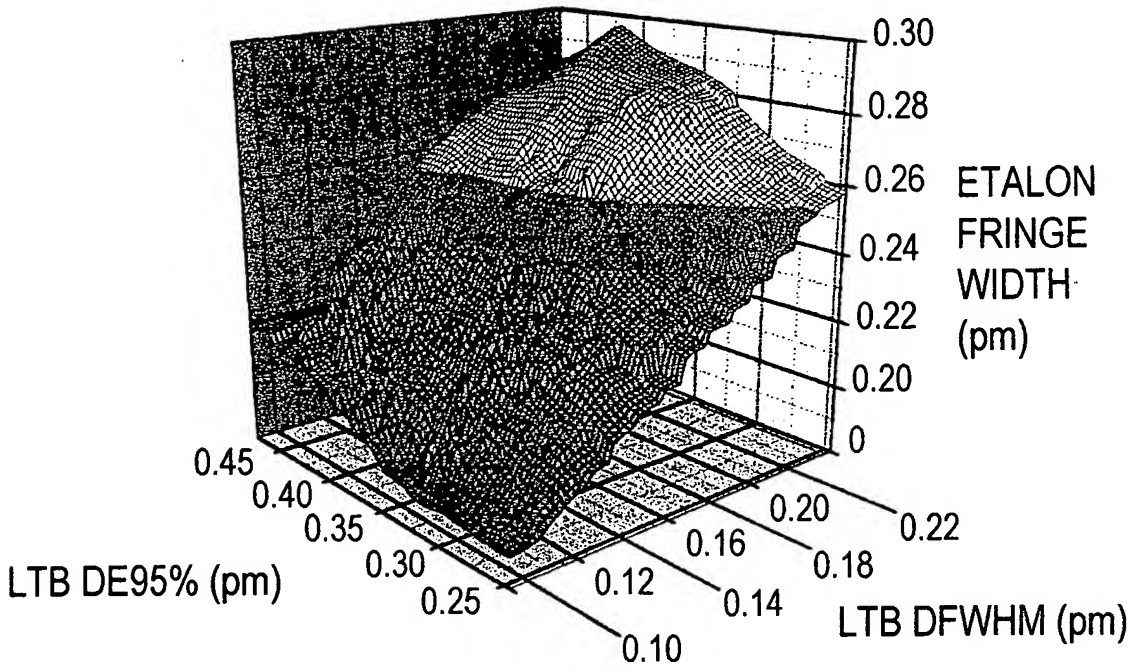
Data: Data5_HRLAM
Model: 3Dplane
Equation: A*x + B*y + C
Weighting:
Z No weighting

Chi^ 2/DoF = 2.0666E-6
R^ 2 = 0.97507

A 0.14483 ±000114
B 0.16575 ±0.00041
C 0.67263 ±0.0002

FIG. 3

SAM Tracking Simulation 0.12 pm/20 pixel Bandpass



Data: Data5_SAM
Model: 3Dplane
Equation: A*x + B*y + C
Weighting:
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Chi^ 2/DoF = 7.8249E-6
R^ 2 = 0.95716

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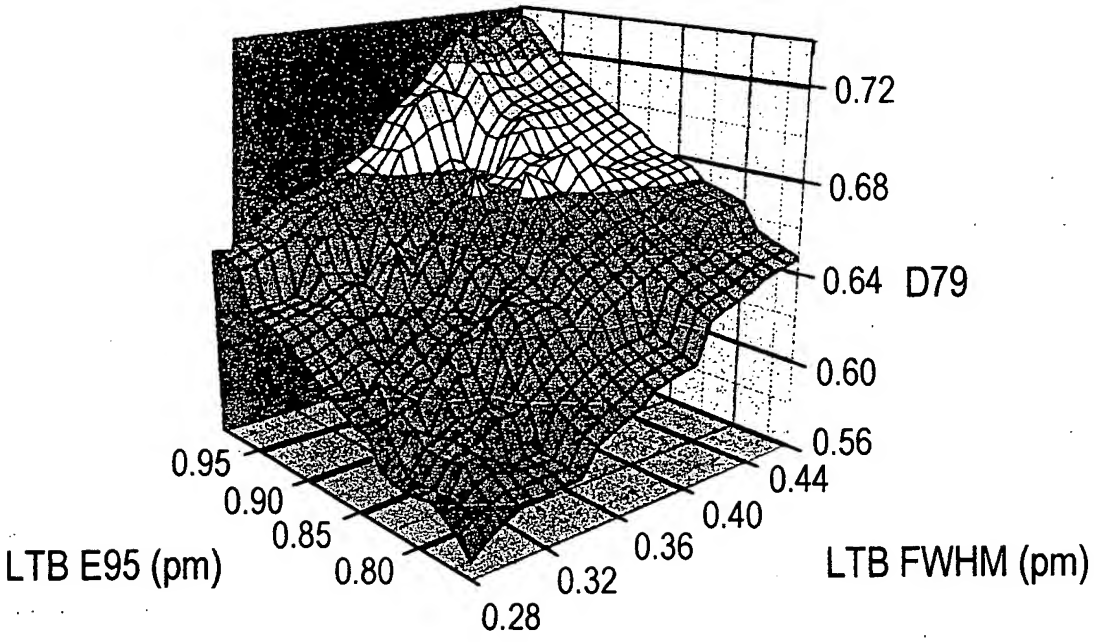
B 0.08951 ±0.00079
C 0.10172 ±0.00039

FIG. 2

Avg Behavior of D79 (28-36)/380 kPa
Correlation gridding, WM5645 ultralow wedge etalon



Data: Data2_D79
Model: 3Dplane
Equation: A*x + B*y + C
Weighting:
Z No weighting

Chi^ 2/DoF = 0.00008
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A 0.64495 ±0.0166
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FIG. 1

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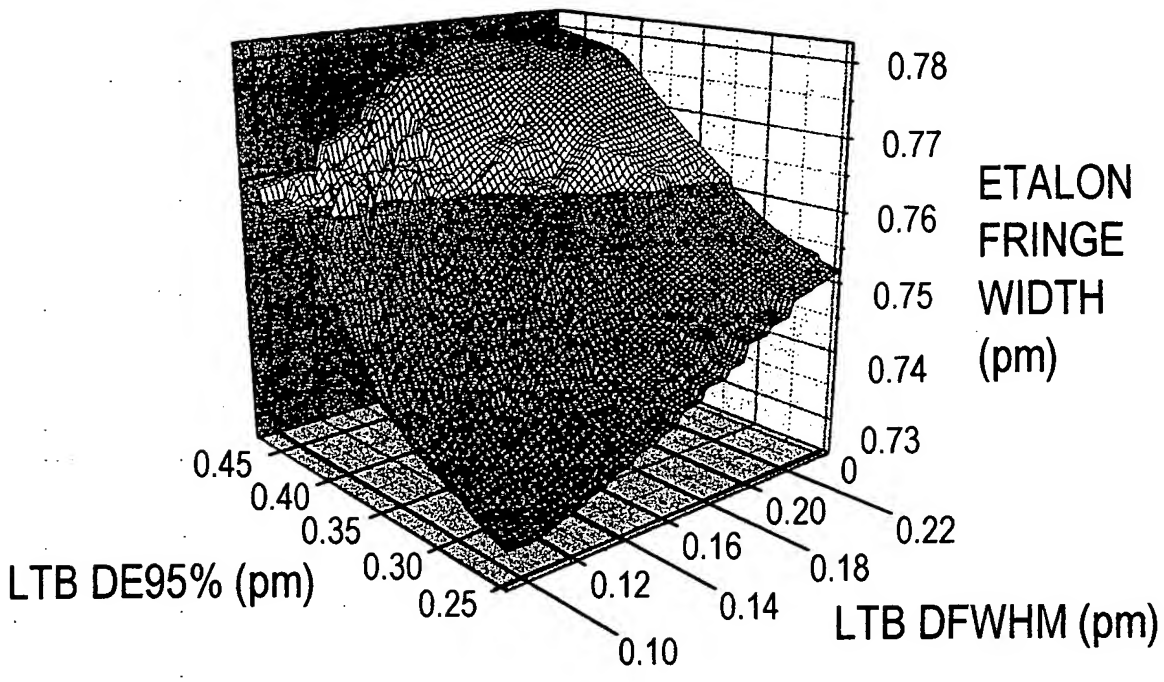

Data: Data5_HRLAM
Model: 3Dplane
Equation: A*x + B*y + C
Weighting:
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Chi^ 2/DoF = 2.0666E-6
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A 0.14483 ±000114
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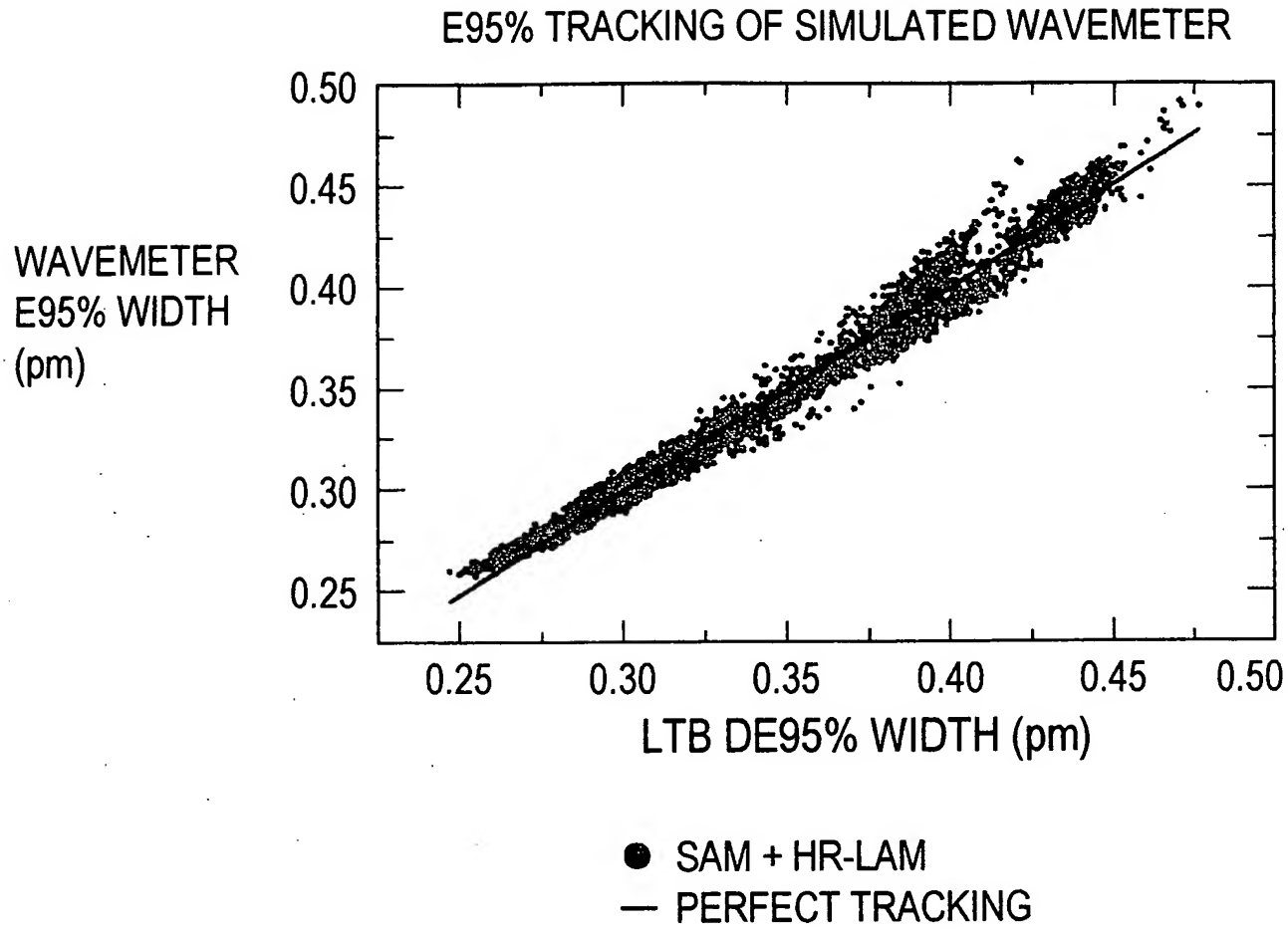
C 0.67263 ±0.0002

FIG. 3



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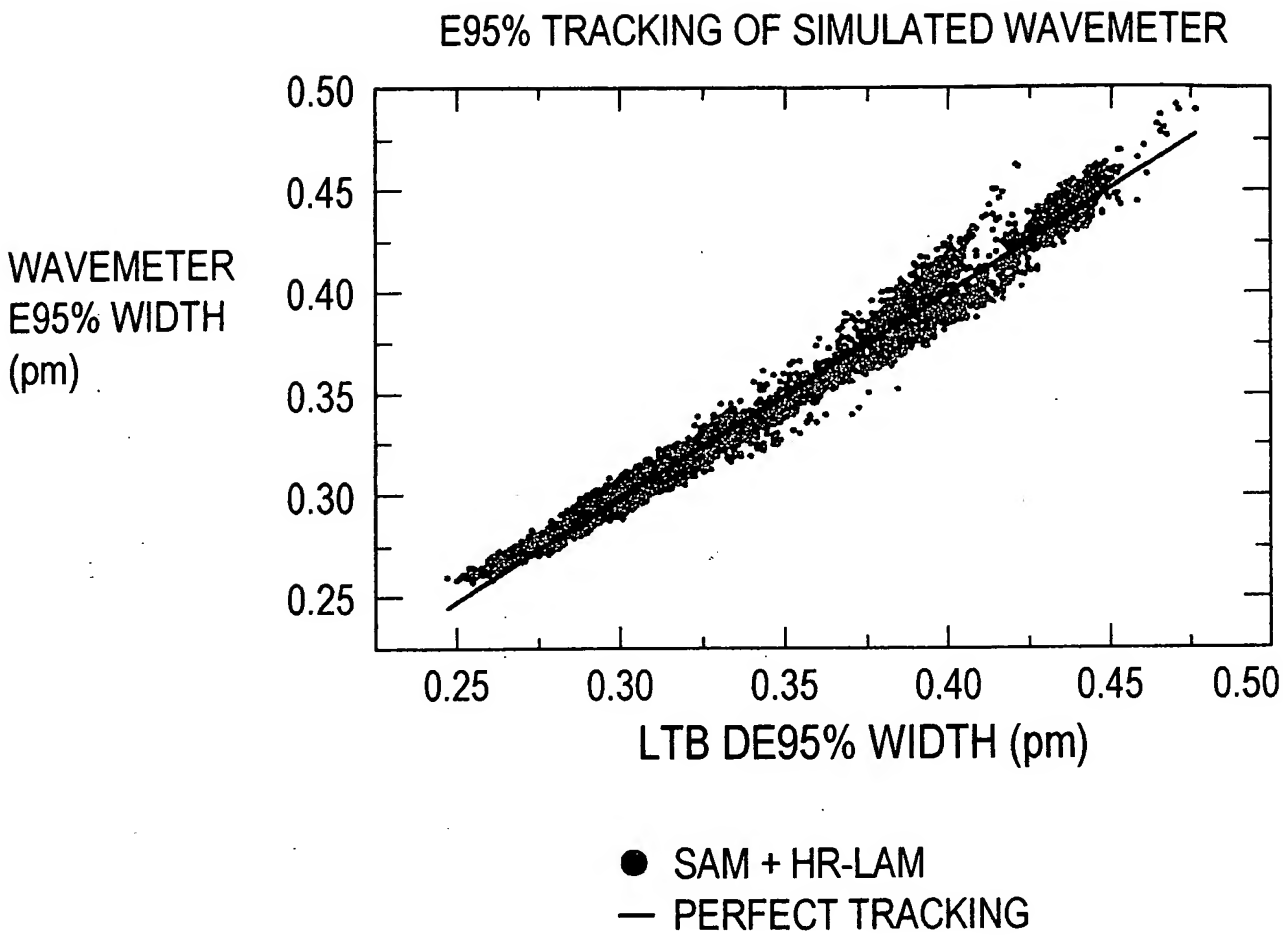
6 pilot XLA-130 lasers
4814 spectra from Bandwidth Resonance scans

FIG. 7



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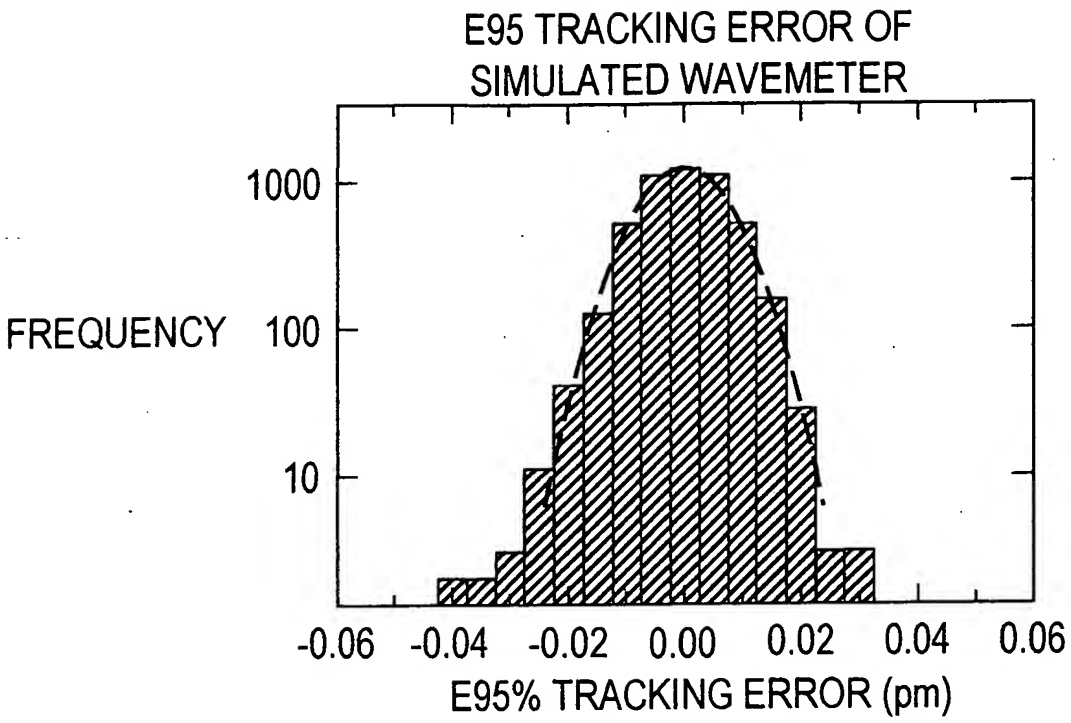

TRACKING RESIDUALS SAM + HR LAM VARIANCE = 7.3 fm

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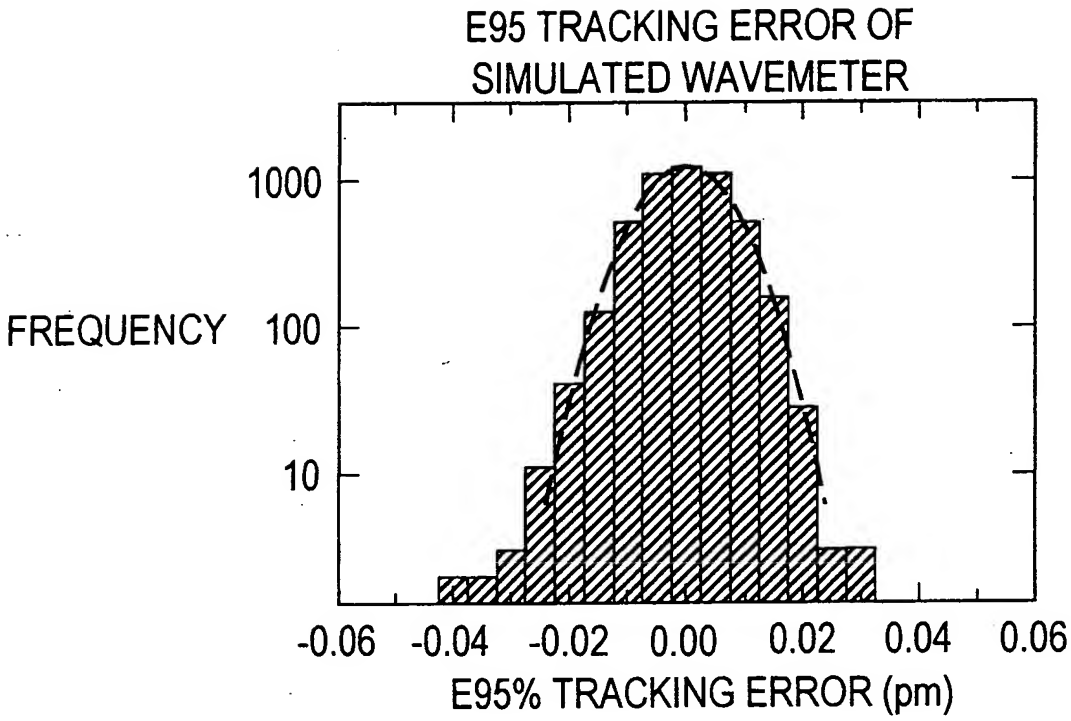

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